This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Cancelled)

Claims 2-109. (Cancelled)

Claim 110. (New) A cigarette comprising a wrapper including a dry precursor cigarette sheet material comprising a non-combustible material for treating cigarette sidestream smoke; sheet reinforcement; a binder; and combustible organics, said combustible organics being evaporated from said sheet material by a high temperature burn zone of a burning coal advancing along the cigarette when said cigarette is smoked.

Claim 111. (New) A cigarette of claim 110, wherein said non-combustible material comprises an oxygen storage component, the oxygen storage component being a metal oxide having multiple oxidation states.

Claim 112. (New) A cigarette of claim 111, wherein said metal oxide is selected from the group consisting of transition metal oxides, rare earth metal oxides and lanthanide metal oxides.

Claim 113. (New) A cigarette of claim 112, wherein said transition metal oxide is selected from the group consisting of VB, VIB, VIIB, VIII and IB of the Periodic Table of Elements, mixtures thereof and solid solutions of two or more metal oxides.

Claim 114. (New) A cigarette of claim 112, wherein said metal oxide is an oxide of cerium.

Claim 115. (New) A cigarette of claim 114, wherein said non-combustible material additionally comprises a catalyst for promoting oxidation of non-aqueous components entering said material, said catalyst being in admixture with said oxygen storage component.

Claim 116. (New) A cigarette of claim 115, wherein said catalyst is selected from the group consisting of platinum group of metals, transition metal oxides, rare earth metal oxides, lanthanide metal oxides, aluminum silicates, aluminum oxides and calcium carbonates and solid solutions of two or more metal oxides.

Claim 117. (New) A cigarette of claim 116, wherein said catalyst is selected from the group consisting of aluminum silicates, platinum, palladium, iron, copper, silver and cerium.

Claim 118 (New) A cigarette of claim 117, wherein said catalyst is an oxide of cerium or a solid solution of cerium with another metal oxide of claim 117.

Claim 119. (New) A cigarette of claim 112, wherein said lanthanide metal is an oxygen storage component having a dual function as an oxidation catalyst and oxygen storage.

Claim 120. (New) A cigarette of claim 119, wherein said dual function oxygen storage component and catalyst is selected from the group consisting of transition metal oxides having multiple oxidation states and lanthanide metal oxides.

Claim 121. (New) A cigarette of claim 120, wherein said oxygen storage component and catalyst is an oxide of cerium.

Claim 122. (New) A cigarette of claim 112, wherein said metal oxide is present in said material in an amount effective for said oxidation up to about 30% by weight.

Claim 123. (New) A cigarette of claim 122, wherein said metal oxide is present in the range of about 5 to about 20% by weight.

Claim 124. (New) A cigarette of claim 112, wherein said non-combustible material additionally comprises a sorbent capable of sorbing components of sidestream smoke, said metal oxide contributing to oxidation treatment of sorbed components of sidestream smoke.

Claim 125. (New) A cigarette of claim 124, wherein said sorbent is selected from the group consisting of activated carbon, molecular sieves and porous metal oxides.

Claim 126. (New) A cigarette of claim 112, wherein said binder is selected from the group consisting of inert clays, aluminum silicate, magnesium silicate, cellulose materials, plastic and mixtures thereof.

Claim 127. (New) A cigarette of claim 112, wherein said binder is an organic binder, said organic binder being evaporated at the high temperature cigarette burn zone of the burning cigarette.

Claim 128. (New) A cigarette of claim 127, wherein said organic binder is selected from the group consisting of cellulose materials, plastic and mixtures thereof.

Claim 129. (New) A method of treating sidestream smoke emitted by a burning cigarette having a sheet material of claim 112, said method comprising activating said sheet material at a temperature of a high temperature cigarette burn zone of a burning coal advancing along the cigarette when said cigarette is smoked.